

OSCILLATOR

Oregon Tualatin Valley Amateur Radio Club

January 1997

OTVARC

OUR NEW PRESIDENTS MESSAGE

By Betty Mickley, N7REX

As a relative new-comer in the world of ham radio, I am both honored and a little apprehensive about assuming the role of president of OTVARC. I have no long standing relationship with the hobby, no heartwarming childhood memories of parents or relatives involved with amateur radio. Chuck had been a ham radio operator in high school at Benson, but was unable to upgrade after leaving school, and lost his WN7EOO call sign. Off and on throughout the years he would mention a desire to get back into the hobby, but there never seemed to be enough time or money while we were raising our children.

I became interested in ham radio when I was involved in public service with Randy Stimson, KZ7T, and Jim Schaeffer, KB7ADH, working on the MS150. In the early days of the event, Randy would check in with the non-hams on 11m when he was in range - which wasn't often- to give brief updates on the progress of the riders. When Chuck and I took over the responsibility for the lunch and rest stops it became abundantly clear that we needed to know what was going on all along the course to optimize our efforts. Chuck and I enrolled in a PCC class and Chuck got his ticket at the end of the class. I did not.



Betty Mickley

Later in 1991 when the no-code technician tests were first offered (I had said many times that I could learn the theory, but just couldn't seem to get my brain to recognize the code...a number of people including Chuck, Randy, and Jim said it was time to put my money where my mouth was), I took my tests and got my license. I could now work public service events in addition to the MS150. Chuck and I have worked many events since that time. Our daughter Frances, KB8PRL, and son-in-law Scott, KB8PRS, also got into ham radio for the public service aspect of the hobby.

To date, our son Charlie and his wife Molly have shown little interest in pursuing amateur radio licenses, but are committed to the concept of public service - so they may at some future time. In the past two years, I have accepted the challenge of learning to be the net control for a few events (Randy is a hard act to follow). Chuck has upgraded his license to Advanced and is studying to get over the last "code hurdle" to get his Extra. Since being licensed Chuck and I have been active members of OTVARC. My hope is that what I lack in longevity and proficiency in the hobby will be made up for by my enthusiasm for and commitment to the hobby and the club. Thank you all for the vote of confidence you have given me, the newcomer in your midst.

While I'm in a thankful mode, I'd like to give special thanks to Chuck, KI7CL; Janet Bell, WB7FJC; Al Berg, WB7SIC; Will Sheffield, N7THL; and Geno Buell, KA7KBH, for their help in planning the holiday party. I'm especially grateful to Sally Butterfield, N7WAL, and Marvel Noyes, KA7TZT, who helped Wednesday afternoon with the decorations. They are such pros, what would have taken me all day—they got done in about an hour. It should be noted, that they came to my rescue when my original helper came down with the flu. 88's to both of them.

(Continued on page 2)



(Continued from page 1)

A special thank you goes out to Stan Griffiths, W7NI for the cake decorating idea, "a walk down memory lane". In addition to helping with the set up, Sally and Marvel helped with the clean up afterward along with Bud Butterfield, KC7PS; Roger Noyes, KA7RNN; Jim Graffy, AE7W; Randi Graffy; Mary Berg, N7TRW; Jim Schaeffer, KB7ADH; Chuck; and I. Others who helped make our Holiday Party such a success donated and/or discounted prizes for the raffle. They were HRO; Wes Allen, K7WWG; Chuck, KI7CL; and Phil Teck, N2WLQ.

Board meetings are the 4th Wednesday of the month. Major topics of discussion for January's meeting will be the OTVARC scholarship, the 1997 budget and the ARRL report. If you have an interest in any of these topics please come to the board meeting at the TVF&R Headquarters Building at 20665 SW Blanton or contact any of the board members.

73,
Betty, N7REX

****JANUARY PROGRAM****

VOICE-STREAM

You've seen the newspaper and TV ads, and heard the Radio ads, now you can find out the real scoop on this new technology that sounds so promising.

Michael Beninati will present the technical basics of the Voice-stream Personal Communications System (PCS).

He will tell us all about:

- >The Frequencies They Use
- >What Equipment Is At A Cell Site
- >How the sites communicate
- >What The Advantages/Disadvantages Are Over The "Old" Analog Cellular Phones
- >Time Multiplexing (I've always wondered about that - haven't you?)

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OUR OUTGOING PRESIDENT'S MESSAGE

By Jim Schaeffer, KB7ADH

Happy New Year!!! It has been a great year as your OTVARC President. I know that your new President, Betty Mickley, N7REX, will provide the continuity and leadership necessary for our club in 1997. Please continue to give her your support and suggestions throughout the year.

Thanks for electing me as your new Vice President. I hear it was a close race! I am already working on programs for 1997. Here is a tentative schedule:

- | | |
|------------|---|
| January: | The Technical Side Of Voice Stream
Wireless PCS |
| February: | Mary Lou Brown, Our ARRL Northwest
Director |
| March: | ARRG - Repeaters (147.04Mhz,
137.12Mhz, 137.32Mhz, Etc.) |
| April: | Field Day - What Is It? |
| May: | Wireless Outdoor/Garden Model
Railroading |
| June: | What's New In Ham Gear? |
| July: | Battery Charging Technology Project
Night - Project |
| August: | Public Service |
| September: | Tailgate Swap Fest |
| October: | ???Surprise??? |
| November: | ???Surprise??? |
| December: | Holiday Social Function |

If you have any other ideas or suggestions *I want to hear from you!!* AAAAAAADH

FOR SALE/WANTED

SELL OUT SALE - Azden Radios. 2 meter and 6 meter mobiles and HT's. For info call JACK, N7CXK 503 682-7898

.....This space is reserved for you next month. Contact the editor and tell him what you have for sale, trade, or want....

EVIDENCE OF INTERFERENCE

By Bob Peschka, K7QXG*

All of us have experienced willful interference on our ham bands from time to time. If you're like me, you grit your teeth and try to ignore the childish behavior of the immature and obnoxious offender. Section 97.125 of the FCC Rules is very clear about the illegality of the interference, and further addresses the problems in 97.119 (Obscenity, Indecency, Profanity) and 97.123 (Unidentified Communications).

Often many amateurs claim that the FCC or other investigative agencies won't respond to information about willful interference. Is that charge fair? Who are some of the parties that are in a position to investigate a complaint of willful interference?

FCC: They have closed their Portland office and you must call the Seattle Office (1-800-number?) with your complaint. Even if you present them with solid evidence, it is the U.S. Attorney's Office that decides whether any action will be taken. Naturally, violation of Part 97 rules is not very high on their list of priorities.

Local Law Enforcement: Yes, they can, and will, investigate if the interference affects 911 operations. (See HB 3288 and 911 defined in ORS 401.710. This is a class A misdemeanor, punishable by a maximum of one year imprisonment, a \$5,000 fine, or both).

Private Corporations: Yes, indeed! A corporation or organization may initiate a civil suit (non criminal action) against an amateur if the interference causes damage, suffering, (and all the usual legal terms) in the U.S., and one was especially successful. A corporation or organization may hire an investigator, or use the services of someone within their organization.

Now, what about this "evidence" that you have? Information, in its pure form, is nice to collect - and it's great for building big, bulky files - but as hard evidence, it doesn't do much. For now, let's address three common forms of evidence gathered in allegations of interference.

Tape Recording: Did you tape the interference? If so, how have you protected the tape? You should have placed it in a sealed envelope. The envelope must bear the time and date when the taping was done, and your signature. Do not give this tape to anyone unless they give you a receipt for it! If you must send it by mail, send it by registered mail, return receipt requested only. Be prepared to answer the following investigative questions: Do recognize the voice of the interfering amateur? If yes, how? Whom was he interfering with?

Photos: Write a brief description of what each photo depicts

(i.e., an amplifier's meter in the suspect's ham shack showing the culprit was running 100 KW!). Time, date and signature must be on the back of each photo. Negatives must be kept with the photos. Do not release these items without a receipt. Likely questions include: How did you get this photo? Whom does this equipment belong to? Who was operating it?

Video Tape: Everything under Photos applies, and there will be an entire new field of questions: What does this video depict? Does it show the key pad on the two-meter hand held as the culprit enters the magic numbers that cause the interference? How are you able to identify the person?

If your evidence does not meet the above criteria, and more, you can't blame the investigative agencies for "not doin' nothin'."

This is enough for this first column. If there is sufficient interest, a second column will address other areas, i.e., Triangulation, Pin Maps, Confrontation, Interviews,, and, of course, the defendant's rights.

*About the author: Bob is a retired Portland Police Lieutenant, with 37 years of law enforcement experience - mostly in the Detective Division and in the Identification Lab. Bob has testified in court as an expert witness more than 130 times in Oregon, Washington and Alaska. He now lives quietly and you will find him on his rooftop with his handeld during the OTVARC 2 meter contest.

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AEA FINDS BUYERS FOR ITS PRODUCT LINES

From The ARRL letter, December 13TH
By Dale, W7FBP

Advanced Electronic Applications Inc. is being sold — piecemeal. AEA Chairman Mike Lamb, NM7L, announced December 10th that AEA will sell each of its three product lines (data products, test analyzers and antennas) to three separate buyers.

Letters of intent are in place and agreements are in the drafting stage, according to Lamb, who has laid off most of the staff at the company's Lynnwood, Washington, headquarters earlier this fall.

Lamb assumed daily control over AEA earlier this year following the sudden departure of former AEA President Rod Proctor, KI7ZI. Subsequently the company introduced several new products (including the long awaited DSP-232 multi-mode TNC) to the amateur market, but it appeared to have been a case of too little, too late. As of late November, AEA was just barely in business, and telephone callers were being told to contact ARRL "in about a month" for information regarding servicing arrangements on equipment.

The ARRL was not aware that it would be listed by AEA as a contact point, and those seeking customer service should *not* contact the ARRL to request it. The League *cannot* help customers with service or technical problems.

Lamb said this week that because of the intervening holiday, he didn't anticipate the sales would be consummated until early January. He said the new owners "will likely offer warranty and out-of-warranty service to old AAA customers." While he declined to reveal the names of prospective new owners, Lamb said that at least one of the companies was already in the ham radio business "with a very good reputation." He also would not say whether the AAA name would survive the buyouts, but said he expected the new owners would maintain AAA's standards. Lamb said on official announcement on the buyouts would be made "as soon as the sales are complete."

JUST A REMINDER

If you haven't renewed your club membership for 1997, you can take care of that little chore by seeking out our new treasurer, Hanford Van Ness, KE7BB, and giving him a chance to practice his brand new responsibilities! He will be waiting to greet you.

PERSONALITIES IN PUBLIC SERVICE - PART 1

By Randy Stimson, KZ7T

In these articles I will not normally use names or gender. That will keep it a bit anonymous— if you were involved, you will know who you are.

The first thing I will do is break my rule! When you are dealing with Jim, KB7ID, for ADH, it is OK to do just that..... We were doing MS 150 ?\$%#@ (that means I don't remember the number) and we were spending the night in rooms at a College after the first days ride. I happened to have one of the rooms with a shower. The next morning, Jim and I were having breakfast when Susan, N7EPE, asked me if she could use my shower, since she didn't have one in her room. I said yes and gave her my key. After she showered and came back down stairs, she returned my key and sat with us for the rest of breakfast.

When we were all out on course and everyone was on the repeater, Jim asked me if Susan had removed all her items out of my room. I just said yes. With a friend like that you don't need an enemy!

If you noticed, I gave Jim's call as KB7ID for ADH. Well, that really happened when Jim and I were out working on a pre-ride communications checkout for Cycle Oregon. Sometimes we will leave at 3AM, work for eighteen hours and drive 1,000 miles in one day. The reason for this is that we both need to get back and go to work the next day.

Well, on one of these trips we were coming home late at night, and to stay awake we babbled on the radio, as we usually do. Every so often we would ID. I identified as KZ7T and Jim said "this is KB7ID for ADH." I came back to Jim and said "I think you have it backward," and Jim hadn't realized he had done it. That is what I call being tired!

We were doing a To-Hel'en-Back bike tour for the Cancer Society some years ago. It was a two day, 200 miles bike ride around Mount St. Helens. The communications were very difficult because of the distance and terrain. Each operator was required to have a minimum of 25 watts out and a 5/8ths whip for communicating.

We had all arrived at the Cispus Center located on the north side of St. Helens, and we were busy hooking up our gear when one of the Hams informed me that he had everything except the mike for his radio — we had to send him home.

On Cycle Oregon ?\$%, the Director forgot to reserve rooms

(Continued on page 5)

(Continued from page 4)

for the volunteers. Normally, the rooms are reserved on the first planning trip out, since the minute the route is announced the cyclists will gobble up *ALL* the available rooms. The Director finally did find some rooms for us (way away from the route), but they were all one double bed per room, with two volunteers per room. I slept in my pickup, thank you, but can you imagine two, 6 foot tall, Oregon State Policemen in each bed!! I can just see them there with guns drawn..... Until the next time.

GUESS WHAT? JANUARY HAS FIVE WEDNESDAYS!

By Dale, W7FBP

Another *FUUUNNNN* evening is coming up, so get your two meter gear ready for the big 5th Wednesday evening contest on January 29th.

The rules are still the same, and so is the fun you'll have. Start time for the contest is 2000 local and it runs for one hour, ending at 2100. The simplex frequency is 147.420Mhz - so everyone will be on one frequency.

Check the Log Sheet, which is near the back of the newsletter, for more info.

AN EASY COMPUTER ELECTRONICS PROGRAM

By Dale, W7FBP

For those of you who own a computer and want to learn more about electronics, there is a new program out that just might be what your looking for. It's called DIGITAL LAB and is published by Philips Media.

This is an *activity* kit which includes all the materials needed to build a number of different electronic gadgets and games. What the children and adults who use the Digital Lab can accomplish with those materials is limited only by creativity, inventiveness, and the discipline to see the project through to completion.

The action starts with the CD-ROM included with the Digital Lab. Users will meet some of the basic electronic components, including capacitors, piezo transducers, resistors, and decoder chips, and find out what these components do to make a digital device work.

Also included is a glossary of terms which introduces users to

the jargon of electronic technology, and a section on digital basics which gently explains the fundamental principles of physics that make digital technology possible.

After learning the basics, users can see how this technology is put to work in such popular devices as CD-ROM drives, pagers, video cameras, and computers. Also included is a quiz and a few games to make the learning fun.

The program next moves you to a hands-on experience. The CD-ROM includes step-by-step instructions for building a dozen electronic projects. Using the springs and wires to connect the microchips, capacitors, resistors, wires, push-button, and light-emitting diodes (LEDs) to the battery, users can create a random number generator, a reaction timer, a digital timer, and nine other simple electronic devices.

This is not an advanced engineering course, but it provides an excellent, easily used, introduction to understanding electronics. Contact information:

Digital Lab

Philips Media

(800) 883-3767

(303) 739-4131

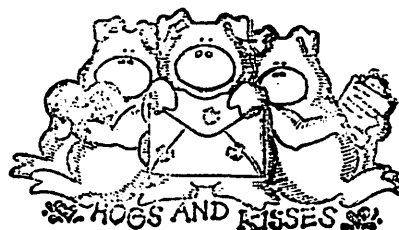
<http://www.philipsmedia.com/media/home>

HAMFAIRS AND CONVENTIONS FOR 1997

By Randy, KZ7T

The latest scheduling shows the following Amateur Radio activities:

- | | | |
|-----------|-------|------------------------------------|
| February | 15 | - Salem Hamfair, Rickreal, OR. |
| March | 8 | - Mike and Key Club, Puyallup, WA |
| April | 26 | - Umpqua Hamfair, Roseburg, OR |
| May | 3 | - Keno Hamfair, Klamath Falls, OR |
| June | 13-15 | - SeaPac, Seaside, OR |
| August | 10 | - Bend Hamfair, Bend, OR |
| September | 20 | - Portland Swap Meet, Portland, OR |



SECRETARY'S LAST REPORT

By Alan, KB7POR

This is my last article as secretary. When you read this I will be the "Ex" Secretary. The job will be taken over by the very capable Dale LeBarron W7FBP. Be nice to him as we make the transition. (Actually I made him start a little early at the December board meeting.)

This article will look forward. Now that I am out of management, I can do some of the other fun things that have slid due to lack of time. This will fall under the category of "I like to build things". Later this year I will be presenting a program on battery charging. This program is the prelude to a project night where we will build intelligent battery chargers.

You will have a chance to participate in this activity. This is a warning to get you thinking about how you will be involved. In a few months you will be presented with the opportunity to place your order for a battery charger kit. I just want you to be prepared for this. Then a little later we will get together and put these kits together.

This activity is not limited to those who want to build the charger. We will also need people who do not want to build one, but who have the skills to do the job. They can assist those who may have never built anything electronic. I think the technical term for this is Elmering.

During the year I will be attempting to learn enough about the intricacies of battery charging so I can present some factual information to the club members during the program. As I go along, you will probably hear more from me in the Oscillator.

As you can probably guess, the details of this activity have yet to be worked out. That will come with time and you will be informed. As a word of clarification, the battery charger will be for lead-acid (car) batteries. The kind that you would use to keep your station on the air during a power outage. We can always look at those NiCads at a later time.

So much for now. If you have any questions or comments, call me or corner me at a meeting.

OTVARC LOANER PROGRAM ALIVE AND WELL

Stan, W7NI, reports the OTVARC Loaner program is still functioning and has two HF Transcievers available for loan to new hams. Any club member who needs an HF rig, but didn't get one from Santa at Xmas, can just give Stan a call at 649-0837 and discuss your needs. He'll be happy to fill you in on the minimal requirements and most likely the club can help you get started on your HF hamming.

NOVEMBER BOARD MEETING

By Alan, KB7POR

Minutes of Board Meeting 11-27-96

1. Those in attendance: Betty Mickley, Chuck Mickley, Al Berg, Jim Schaeffer, Janet Bell, Alan Chinnock, Will Sheffield.
2. Meeting called to order at 6:59 p.m. by President Jim Schaeffer.
3. Minutes were approved as revised.
4. Treasurer's report was presented and accepted.
5. Moved and seconded to donate \$500 to the Elks for their Christmas Charity. Passed.
6. Moved and seconded to fund service awards. Passed.
7. The December board meeting has been rescheduled to Wednesday, December 18 due to conflict with Christmas.
8. Meeting adjourned at 7:53 p.m.

Respectfully submitted,

Alan R. Chinnock, KB7POR, Secretary

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OTVARC DONATES \$500 TO ELKS CHRISTMAS FUND

By Dale, W7FBP

The Beaverton Elks Lodge was the recipient of a \$500 donation check for it's Charity Fund which provides aid to needy families at this time of year (and at other times also).



The photo shows our outgoing President, Jim Schaeffer, KB7ADH, presenting the check to Don Terney, Lodge Manager, and Joe Hennesy, Food Drive Chairman, during the OTVARC Christmas party on December 11th at the Elks Lodge.

Mr. Hennesy noted in his appreciation comments that the check was especially valuable this year because their food/gift fund was already nearing empty.



OTVARC

TRAVELERS JANUARY OUTING

We will have a short drive on this one. The park is called Pheasant Ridge and is across from Burns Bros. in Wilsonville. Dates are the 17th thru 19th of January. We will have the use of their rec hall. Six rigs or more and the cost will be \$19.00. Less than six and ??? Overnight cost is somewhat offset due to less fuel needed to get there!

INFO-call Bill & Lyn 312-6327

or Al & Mary 640-5456

YOU ARE WELCOME TO JOIN US!!!

SEA-PAC AWARDS GIVEN

Giving recognition to members who have worked hard over the years on SEA-PAC committees has been a much talked about subject. The end result of these discussions usually end up leaving the same question to answer. What criteria do we use to weigh who is recognized? A partial solution to the question recently came to light. Bud and Sally Butterfield retired in December and are taking their RV up north to the Seattle area. Bud has served on various SEA-PAC committees for a long time. On checking all of the past 14 convention brochures it was found that Bud has been active for 11 of those years. Taking this research further, it was discovered that 8 others had compiled 10 years or more. It was then decided to make 10 years service ONE of the criteria for club recognition. These awards were not based on how time consuming the efforts were but on the fact that when asked to serve the response was yes! The tasks, large or small, were performed. The only record we have of years served is through past convention booklets. If a member decides to help after the printing deadline for a brochure is past, we have no record and as the convention has been going since 1982, time dictates that memory would be a bad choice in deciding years served. The SEA-PAC recognition awards were made at the December meeting/Holiday Party and the following members were applauded.

Don Branda-10 yrs	Wally Boleen-10 yrs	Neil McKie-10 yrs
Darwin Durr-11 yrs	Randy Stimson-11 yrs	Bud Butterfield-11 yrs
Jack Smithson-12 yrs	Wes Allen-13 yrs	Greg Milnes-13 yrs

Hats off to all of you gentlemen and many, many thanks!!!

Al Berg WB7SIC

OTVARC

January-5th Wed. 2m contest rules

- 1) Object: To work as many amateur stations as possible in as many different 5-digit ZIP codes as possible using 147.42 FM simplex.
- 2) Contest Period: 2000 local through 2100 local, Wednesday, January 29, 1997
- 3) Categories:
 - A) Single Operator: One person performs all operating and logging functions.
 - B) Single Operator QRP: Same as (A) with a power limitation of 5 watts.
 - C) Multioperator: More than one person performing operating and logging functions.
- 4) Exchange: Operating 5-digit ZIP code and station category.
- 5) Scoring:
 - A) QSO points: Count one (1) point for each complete single operator or multioperator QSO. Count two (2) points for each complete single operator QRP contact.
 - B) Multiplier: The total number of 5-digit ZIP codes worked.
 - C) Total score: Multiply the total number of QSO points by the multiplier.
- 6) Miscellaneous:
 - A) Partial QSOs do not count. Both calls, the full exchange, and acknowledgement must be sent and received.
 - B) While no minimum distance is specified for contacts, equipment should be capable of real communications (ie. able to communicate over at least 1 km.).
 - C) Use of repeaters and telephones to coordinate contacts is not allowed.
 - D) Rovers are not allowed. Stations must remain in one location for the duration of the contest.
- 7) Reporting:
 - A) Entries must be delivered to the contest organizer at or before the Feb. 12, 1997 OTVARC meeting.
 - B) Entries must be made on the provided log sheets and summary sheets.
- 8) Awards:
 - A) Certificates will be awarded for the top points winner in each station category.
 - B) Awards will be made at the club meeting March 12, 1997

OTVARC 1997 ~~April Fool's~~ Contest

Call Used _____ Zip Code _____

Operator Call(s) _____

Category ☐ A-Single Operator
☐ B-Single Operator QRP (5 watts max.)
☐ C-Multioperator

Category A QSO's _____ x 1 = _____

Category B QSO's _____ x 2 = _____

Category C QSO's _____ x 1 = _____

Total QSO Points _____

Times Number of Zip Codes _____

Total Claimed Score _____

Signed _____ Date _____

Copy as necessary. Use back or separate sheet to comment on your experiences or make suggestions.

CODE: A matter of attitude?

Fred Essex, W6TJO

The sides for and against the value and merits of CW have long since been drawn. Those holding an opinion are usually locked into their position so any thought, other than their own, immediately triggers a predictable rationale for their point of view — right or wrong. And therein lies the problem: It is not a question of right or wrong, old concept vs. new concept, or whether a pragmatic definition labels it a buggywhip concept or a 21st century necessity.

It wasn't that many years ago when a minimum CW speed for a ham license was no less than 13 words per minute. The text sent was five minutes in length and the prospective ham had to copy one minute solid from within the text. There was no argument or discussion about the use of CW, it was just part of the license requirement.

Later when applying for a ham license I was lucky. I just had to copy 5 wpm from within the five minute text sent *and then send* a minimum of 5 wpm for a solid minute. Yes, the applicant had to prove his ability to send, even at that speed. And this was in front of a FCC examiner, too! No VEs, then.

A full three months passed before the Novice license was issued and then I had one full year to upgrade or lose my ticket. That was part of becoming a ham. The minimum speed had been cut to 5 wpm to help you get on the bands, but twelve months later you were either a General or an ex-ham. You had a choice of using phone on 2 Meters or CW on 80, 40 or 15.

So, I did as many other Novices. Starting with a straight key on 40, slowly, nervously and hesitant at first, but little by little without realizing it, the speed increased and three months later I sat for the General exam and passed. No, I didn't listen to CW tapes; they can give a false sense of security. The pressure of getting on the bands and toughing it out rewards you with a sense of confidence.

During those three months I did not listen to the phone bands. Sure, it was tempting to see what was coming in, but that was to be my personal reward for upgrading.

It was not totally unexpected that many of the Novices who went immediately to 2 Meters . . . intending to get to CW later . . . never upgraded and lost their calls. They were off the air.

The point of all this: We accepted the requirements set forth. We had to learn CW to become a ham. So we did it. I don't recall others com-

plaining about the code, as such. The comments were more along the line of trying to determine the difference between the letter "H" and the number "5."

To me, the reasoning offered today for eliminating the requirement reminds me of a youngster in school saying *"I don't need to learn how to do math, I've got a calculator,"* or *"Geography is a waste of time. The airline pilot knows where to go. Why do I have to know where Paris or Toronto are?"*

When I was in grade school and raised the question about the math requirement I was told flatly that math is more than numbers; it helps the brain to think, reason and analyze. In my ignorance, which I thought was logic, I tried to find reasons *not* to do things but reluctantly I accepted their view. And now am I glad I did.

Have I used CW much? Not really, maybe 20% of air time, if that. But it was a requirement to enter the finest hobby and service in the world.

Because it's still needed to earn that Extra ticket, once I retired I got out the paddle. Bit by bit the speed came back and even at retirement age I had that great overwhelming feeling of accomplishment that envelopes you when you hear those beautiful words: *You passed!*

WR

HELP!!

Two or three months ago someone gave me a brand new club jacket to sell for him. It slipped my mind at the next meeting and got left hanging in the closet, until a week ago. If it is yours, give me a call. AL BERG WB7SIC

Fold And Staple Award Given

At the December meeting Bud and Sally Butterfield were given certificates of appreciation for their years of service spent in preparing our newsletter for mailing. Thank you both for your dedication and time. It is very much appreciated!



☐ **KI7CL**
☐ **N7REX**

Chuck & Betty Mickley
 4380 S.W. 197
 Aloha, Oregon 97007
 USA
 Washington County



RADIO:	DATE:	UTC:	MHz:	MODE:	UR RST:	QSL:
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Oregon Tualatin Valley Amateur Radio Club

A WX9X QSL

CLUB QSL CARDS

You get large quantity pricing even though your order may be small. The club paid for the plates to do the cards and they are on file with the printer. The club name and logo are in red and the rest in black. Quantity pricing is as follows.

1000-\$54.95 500-\$42.95 250-\$35.95 Add \$5.00 shipping up to 500 cards or \$6.00 for 1000. You may have backside printing for an additional \$16.00 per 1000 or less. Make checks payable to OTVARC and mail or give this form to Al Berg, WB7SIC. Any questions please call-640-5456

CALL LETTER IMPRINT TYPESTYLE (Select one typestyle for your call sign)

A- ☐ **WX9X** C- ☐ **WX9X** E- ☐ **WX9X** G- ☐ **WX9X**
 B- ☐ **WX9X** D- ☐ **WX9X** F- ☐ **WX9X** H- ☐ **WX9X**

IMPRINT INFORMATION (PLEASE Print or Type Clearly, Especially U's and V's)

Name _____ Call _____
 Address _____
 City _____ State _____ Zip _____
 County _____ Grid (if you provide) _____
 Other: awards, logos, ex-calls, etc: _____
 USA on your address? ☐ YES ☐ NO ARRL Logo? ☐ YES ☐ NO
 Your phone numbers: Day () _____ Evening () _____
 Fax () _____ E-mail _____

SHIPPING ADDRESS
 (if different than card)

QUANTITY: (Minimum Order is 250) ☐ 250 ☐ 500 ☐ 1,000 ☐ 2,000 Other _____

OTVARC Club Contacts

OTVARC Executive Board

President	Betty Mickley	N7REX	642-1284
Vice President	Jim Schaeffer	KB7ADH	245-2518
Secretary	Dale LeBarron	W7FBP	638-7768
Treasurer	Hanford Van Ness	KE7BB	246-7975
Trustee	Jack Smithson	KA7HOJ	646-1873
Trustee	Will Sheffield	N7THL	642-7314
Trustee	Janet Bell	WB7FJC	648-4147
Trustee	Al Berg	WB7SIC	640-5456
Trustee	Stan Griffiths	W7NI	649-0837

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	297-2732
Bunny Hunting	OPEN		
Contesting	OPEN		
DX News	Rich Jones	KG7FS	645-9417
Equipment Valuation	Randy Stimson	KZ7T	297-1175
Equipment Trustee	Al Berg	WB7SIC	640-5456
Emergency Services	OPEN		
Field Day	Carl Clawson	WS7L	629-5796
Health & Welfare	Mary Berg	N7TRW	640-5456
Member Badges	Carl Clawson	WS7L	629-5796
Newsletter Editor	Dale LeBarron	W7FBP	638-7768
Newsletter Layout	Dale LeBarron	W7FBP	638-7768
Newsletter Distribution	Al Berg	WB7SIC	640-5456
Nominating Committee	Hanford Van Ness	KE7BB	246-7976
Packet - Club BBS	Rick Braun	KB7OGD	645-1490
Project Night	Alan Chinnock	KB7POR	636-2237
	Chuck Mickley	KI7CL	652-1284
Public Relations	Bill Merwin	N7VZF	644-1974
Public Service	Randy Stimson	KZ7T	297-1175
Repeater	Wes Allen	K7WWG	649-3295
RFI & TVI	Dale Moseby	N7PEX	640-0217
Satellites	Dick Emmel	W7KJZ	245-1928
Scholarship	Carl Clawson	WS7L	629-5796
Sea-Pac	Al Berg	WB7SIC	640-5456
	Brad Beach	N7NVC	657-1781
	Jim Schaeffer	KB7ADH	245-2518
	Randy Stimson	KZ7T	297-1175
Technical	OPEN		
Tower Ordinances	Stan Griffiths	W7NI	649-0837
Trailer	Dee Lynch	KA7NPN	646-4580
Training(code)	Burt Rooke	KI7JX	241-2891
Training(Novice/Tech)	Burt Rooke	KI7JX	241-2891
Training(upgrade)	OPEN		
VE Test Group	Gerry Villhauer	WA0UCQ	693-7222
VHF/UHF	OPEN		

OTVARC Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, the intent is to promote the advancement of Amateur Radio Service, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during public events & community activities.
3. Emergency communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits from you joining the ARRL through OTVARC. To join or renew your membership in the ARRL, contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and is usually mailed on the first of the month. The opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff.

Correspondence: All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

Advertising: Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. All display ads run for six months at a time, from January through June and July through December. All ads must be paid for in advance. Rates for 1994 are as follows:

Full page	8" X 10"	\$200 for six months
Half page	8" X 5"	\$125 for six months
Qtr page	4" X 5"	\$75 for six months
Bus.Card	2" X 3"	\$35 for six months

Meetings: We have two meetings per month. The board meeting is on the fourth Wednesday of each month. All club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge. 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are as follows: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues.

How to join: Simply mail the Membership application and/or renewal form along with your dues to the address above.

Internet Home Page: WWW.EASYSTREET.COM/OTVARC

WORLDWIDE DISTRIBUTION



Earl Reinoehl
Manager
KE7OA

11705 S.W. Pacific Hwy.
Portland, OR 97223
(503) 598-0555, 1-800-854-6046
Fax (503) 684-0469

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The Salem Repeater
Association & Oregon Coast
Emergency Repeater
Association, Inc. PROUDLY
PRESENT THE...

1997 SALEM HAMFAIR



SALEM REPEATER ASSN.

P.O. BOX 784

SALEM, OR 97308

HURRY! Swap Tables
sold-out last year...

Yes, I'd like to be part of the SALEM HAMFAIR. Enclosed is \$ _____
for _____ registrations at \$6.00 each (\$7.00 at the door).
and _____ swap tables at \$13.00 each (\$15.00 w/power).
Self-contained RV camping for _____ nights at \$10.00 per night.
Swap table participants must register. Make checks payable to Salem Repeater Assn.

Name _____ Callsign _____

Address _____ Phone (____) _____

City _____ State _____ Zip _____

Mail by January 31st, 1996, and receive an extra door ticket with each admission. For Pre-registration questions, Call Jim Pardey, WA7ZAJ, at 1-503-651-3216. To Pre-register for VE testing call Sandy Berry, N7TQQ at 1-503-588-7685. c:\ava2\sraflyr3.ava

OTVARC

OREGON TUALATIN VALLEY A.R.C.

PO Box 5132

ALOHA, OR 97006-0132

ADDRESS CORRECTION REQUESTED

~~Mary Berg~~ ~~N7TRW~~
~~2286 SE Oak Crest~~
~~Hillsboro~~ ~~OR~~ ~~97123~~

